A

18q21.3

PI8   Bomapin   PAI2   SCCA1   SCCA2   Headpin   Maspin

B

A1   A2   A1/a2

a1   a2   a1   a2/A1   A2

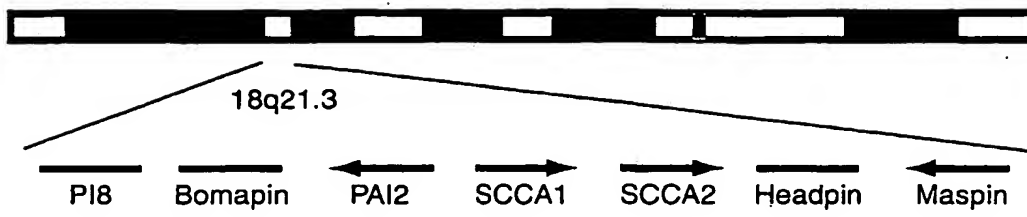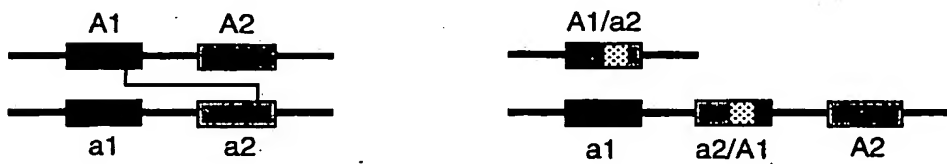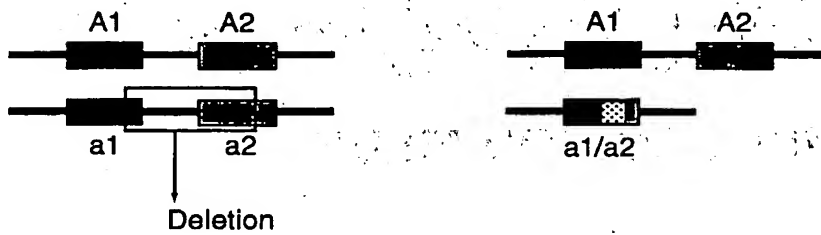C

A1   A2   A1   A2

a1   a2   a1/a2

Deletion

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GTCCTCTTAG GAGCCAAAGA CAACACTGCA CAACAGATTA AGAAG-I2-GTTCT TCACTTTGAT
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ATCCTCTTCT ATGGCAGATT CTCATCCCCG TAG
ATCCTCTTCT ATGGCAGATT CTCATCCCCA TAG
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SCCA2 MNSLSEANTK FMFDLFQQFR KSKENNIFYS PISITSALGM VLLGAKDNTA

QQIKKVLHFD QVTENTTGKA ATYHVDRSGN VHHQFQKLLT EFNKSTDAYE
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4/10

4/10

SCCA1A2 cDNA sequence

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GYRGAAGCTG CAGCTGCCAC CGCTGTAGTA GTAGTCGAAT TATCATCTCC TTCAACTAAT

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ATCCTCTTCT ATGGCAGATT CTCATCCCCA TAG

SCCA1A2 amino acid sequence

MNSLSEANTK FMFDLFQQFR KSKENNIFYS PISITSALGM VLLGAKDNTA

QQIKKVLHFD QVTENTTGKA ATYHVDRSGN VHHQFQKLLT EFNKSTDAYE

LKIANKLFGE KTYLFLQEYL DAIKKFYQTS VESVDFANAP EESRKKINSW

VESQTNEKIK NLIPEGNIGS NTTLVLVNAI YFKGQWEKKF NKEDTKEEKF

WPNKNTYKSɪ/v QMMRQYт/ɴSFн/ɴ FAs/LLEDVQAK VLEIPYKGKD LSMIVLLPNE

IDGLQKLEEK LTAEKLMEWT SLQNMRETʀ/cV DLHLPRFKv/мE ESYDLKDTLR

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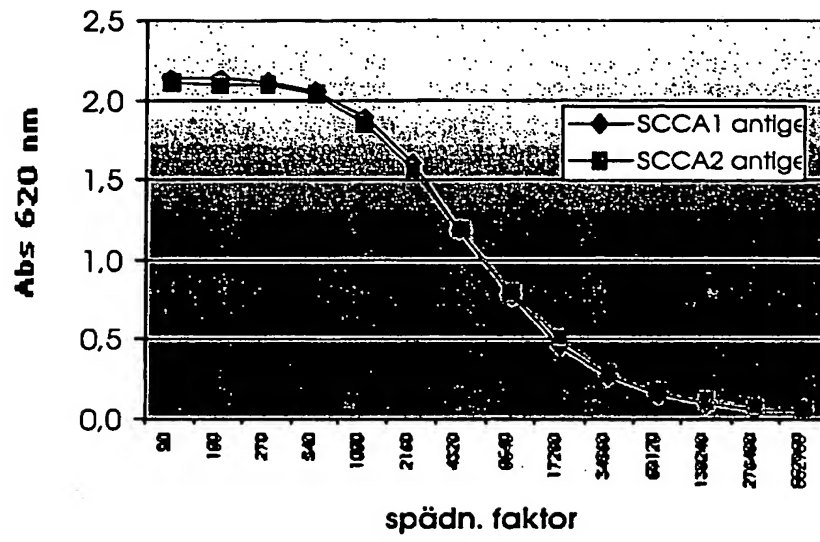A/VEAAAATAVV

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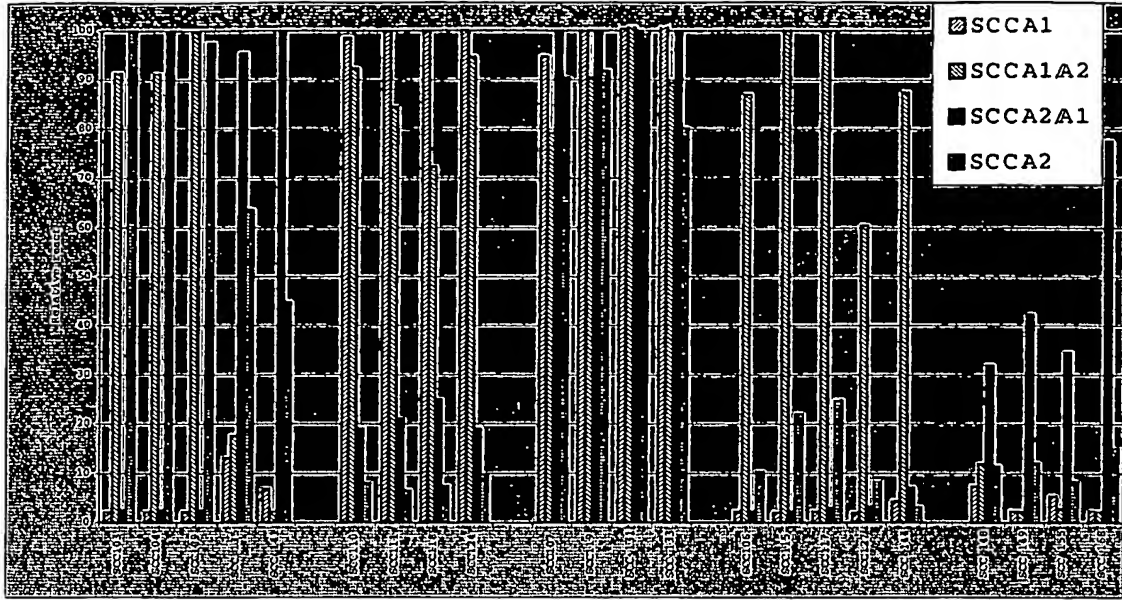
SCCA2A1 cDNA sequence

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CAAGTCACAG AGAACACCAC AGAAAAAGCT GCAACATATC ATGTTGATAG GTCAGGAAAT

GTTCATCACC AGTTTCAAAA GCTTCTGACT GAATTCAACA AATCCACTGA TGCATATGAG

CTGAAGATCG CCAACAAGCT CTTCGGAGAA AAGACGTATC AATTTTTACA GGAATATTTA

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AACCTATTTC CTGATGGGAC TATTGGCAAT GATACGACAC TGGTTCTTGT GAACGCAATC

TATTTCAAAG GGCAGTGGGA GAATAAATTT AAAAAAGAAA ACACTAAAGA GGAAAAATTT

TGGCCAAACA AGAATACATA CAARTCYRTA CAGATGATGA GGCAATACAM WTCYTTTMAT

TTTGCCTYGC TGGAGGATGT ACAGGCCAAG GTCCTGGAAA TACCATACAA AGGCAAAGAT

CTAAGCATGA TTGTGYTGCT GCCAAATGAA ATCGATGGTC TSCAGAAGCT TGAAGAGAAA

CTCACTGCTG AGAAATTGAT GGAATGGACA AGTTTGCAGA ATATGAGAGA GACAYGTGTC

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GYRGAAGCTG CAGCTGCCAC CGCTGTAGTA GGATTCGGAT CATCACCTAC TTCAACTAAT

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ATCCTCTTCT ATGGCAGATT CTCATCCCCG TAG

SCCA2A1 amino acid sequence

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QQISKVLHFD QVTENTTEKA ATYHVDRSGN VHHQFQKLLT EFNKSTDAYE

LKIANKLFGE KTYQFLQEYL DAIKKFYQTS VESTDFANAP EESRKKINSW

VESQTNEKIK NLFPDGTIGN DTTLVLVNAI YFKGQWENKF KKENTKEEKF

WPNKNTYKSɪ/ᴠ QMMRQYт/ɴSFʜ/ɴ FAs/LLEDVQAK VLEIPYKGKD LSMIVLLPNE

IDGLQKLEEK LTAEKLMEWT SLQNMRETʀ/cV DLHLPRFKᴠ/ᴍE ESYDLKDTLR

TMGMVD/NIFNG DADLSGMTG/WS R/HGLV/SL/VSG/KVLH KAFVEVTEEG
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C mplexbinding of SCCA